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Subject: opensuse 10.2

Posted by [tomtom](#) on Tue, 17 Jul 2007 22:02:22 GMT

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Hi i tried to install openvz under opensuse 10.2 but with no luck. Is it likely in the near future, that you may release a ovz kernel for openuse 10.2? Thanks in advance.

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Subject: Re: opensuse 10.2

Posted by [vaverin](#) on Wed, 18 Jul 2007 04:13:32 GMT

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Could you please describe your issue in more details? What the kernel you have tried to install, what the troubles you have noticed?

thank you

Vasily Averin

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Subject: Re: opensuse 10.2

Posted by [tomtom](#) on Wed, 18 Jul 2007 18:56:44 GMT

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Sure! Thanks for your reply! Here comes my params:

uname -a

Linux bear 2.6.18.2-34-default #1 SMP Mon Nov 27 11:46:27 UTC 2006 x86\_64 x86\_64 x86\_64  
GNU/Linux

/proc/cpuinfo

processor : 0

vendor\_id : AuthenticAMD

cpu family : 15

model : 47

model name : AMD Athlon(tm) 64 Processor 3200+

stepping : 2

cpu MHz : 1000.000

cache size : 512 KB

fpu : yes

fpu\_exception : yes

cpuid level : 1

wp : yes

flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush

mmx fxsr sse sse2 syscall nx mmxext fxsr\_opt lm 3dnowext 3dnow up pni lahf\_lm

bogomips : 2011.53

TLB size : 1024 4K pages

clflush size : 64

cache\_alignment : 64  
address sizes : 40 bits physical, 48 bits virtual  
power management: ts fid vid ttp tm stc

/sbin/lsmmod:

Module	Size	Used by
xt_pkttype	18816	3
ipt_LOG	23808	12
xt_limit	20224	12
fglrx	780804	0
tun	29440	2
snd_pcm_oss	71680	0
snd_mixer_oss	35840	1 snd_pcm_oss
snd_seq_midi	27648	0
snd_emu10k1_synth	25856	0
snd_emux_synth	59648	1 snd_emu10k1_synth
snd_seq_virmidi	25088	1 snd_emux_synth
snd_seq_midi_event	25472	2 snd_seq_midi,snd_seq_virmidi
snd_seq_midi_emul	24064	1 snd_emux_synth
snd_seq	82976	5 snd_seq_midi,snd_emux_synth,snd_seq_virmidi,snd_seq_midi_event,snd_seq_midi_emul
af_packet	57356	2
cpufreq_conservative	25608	0
cpufreq_ondemand	24592	1
cpufreq_userspace	24064	0
cpufreq_powersave	18688	0
powernow_k8	32416	0
freq_table	22912	1 powernow_k8
button	24736	0
battery	28168	0
ac	22792	0
ip6t_REJECT	22528	3
xt_tcpudp	20352	14
ipt_REJECT	22528	3
xt_state	19200	12
iptables_mangle	19840	0
iptables_nat	24964	0
ip_nat	37804	1 iptables_nat
iptables_filter	19968	1
ip6table_mangle	19456	0
ip_conntrack	78372	3 xt_state,iptables_nat,ip_nat
nfnatlink	24648	2 ip_nat,ip_conntrack
ip_tables	39400	3 iptables_mangle,iptables_nat,iptables_filter
ip6table_filter	19840	1
ip6_tables	33352	2 ip6table_mangle,ip6table_filter
x_tables	37384	10 xt_pkttype,ipt_LOG,xt_limit,ip6t_REJECT,xt_tcpudp,ipt_REJECT,xt_state,iptables_nat,ip_tables,ip6_tables
ipv6	357728	41 ip6t_REJECT

```

apparmor          74264 0
aamatch_pcre      31232 1 apparmor
nls_iso8859_1     22016 1
nls_cp437         23808 1
vfat              30976 1
fat               73264 1 vfat
loop             34064 0
dm_mod           81872 5
fuse             66352 3
usbhid           69792 0
snd_emu10k1       152480 3 snd_emu10k1_synth
snd_rawmidi       47104 3 snd_seq_midi,snd_seq_virmidi,snd_emu10k1
emu10k1_gp        21120 0
gameport         34576 2 emu10k1_gp
snd_seq_device    26516 6
snd_seq_midi,snd_emu10k1_synth,snd_emux_synth,snd_seq,snd_emu10k1,snd_rawmidi
ide_cd           59680 0
cdrom            54056 1 ide_cd
snd_util_mem      22656 2 snd_emux_synth,snd_emu10k1
snd_hwdep         28552 2 snd_emux_synth,snd_emu10k1
floppy           82408 0
ohci_hcd         38404 0
ehci_hcd         51080 0
forcedeth        60548 0
i2c_nforce2      24960 0
i2c_core         41472 1 i2c_nforce2
usbcore          148064 3 usbhid,ohci_hcd,ehci_hcd
snd_intel8x0      54440 2
snd_ac97_codec    127832 2 snd_emu10k1,snd_intel8x0
snd_ac97_bus      19456 1 snd_ac97_codec
snd_pcm          115464 5 snd_pcm_oss,snd_emu10k1,snd_intel8x0,snd_ac97_codec
snd_timer        44680 3 snd_seq,snd_emu10k1,snd_pcm
snd              89384 24 snd_pcm_oss,snd_mixer_oss,snd_seq_midi,snd_emu10k1_synth,snd
_emux_synth,snd_seq_virmidi,snd_seq_midi_emul,snd_seq,snd_em
u10k1,snd_rawmidi,snd_seq_device,snd_util_mem,snd_hwdep,snd_
intel8x0,snd_ac97_codec,snd_pcm,snd_timer
soundcore        28192 1 snd
snd_page_alloc    27792 3 snd_emu10k1,snd_intel8x0,snd_pcm
parport_pc       58984 1
lp               30664 0
parport          59660 2 parport_pc,lp
reiserfs         260096 3
edd              27912 0
fan              22408 0
sg               55080 0
sata_nv          30084 6
libata           145056 1 sata_nv
amd74xx          32176 0 [permanent]

```

```
thermal          33552 0
processor        53992 2 powernow_k8,thermal
sd_mod           39296 8
scsi_mod         173744 3 sg,libata,sd_mod
ide_disk         34304 0
ide_core         174720 3 ide_cd,amd74xx,ide_disk
```

First i tried to install from the following "official" suse repo:

[http://ftp.opensuse.org/pub/opensuse/repositories/home:/open\\_vz/openSUSE\\_10.2/x86\\_64/](http://ftp.opensuse.org/pub/opensuse/repositories/home:/open_vz/openSUSE_10.2/x86_64/)

It just totally hanged out during boot, however it loaded almost everything, mounted the file systems, started the daemons, etc but afterwards it just stopped i had to hard reset the computer because even ctrl+alt+del didn't work.

After that i tried to use kernel from

[http://download.openvz.org/kernel/branches/2.6.18/stable/kernel-2.6.18-ovz028stab035.1.x86\\_64.rpm](http://download.openvz.org/kernel/branches/2.6.18/stable/kernel-2.6.18-ovz028stab035.1.x86_64.rpm)

i installed it with "rpm -ivh -nodeps kernel..."

with this one i was able to boot but the boot was full with errors and in KDE the mouse didn't worked at all, however the keyboard was ok, so i switch back to a console but i wasn't able to do anything...

I will send a more detailed error report on this second case, just first i have to reboot

Anyway, thank you for your effort helping me to solve this issue.

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Subject: Re: opensuse 10.2

Posted by [Vasily Tarasov](#) on Thu, 19 Jul 2007 08:25:55 GMT

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Hello,

Probably the kernel from [http://download.openvz.org/kernel/branches/2.6.18/stable/kernel-2.6.18-ovz028stab035.1.x86\\_64.rpm](http://download.openvz.org/kernel/branches/2.6.18/stable/kernel-2.6.18-ovz028stab035.1.x86_64.rpm) has a bit poor config for running on desktop node. Can you, please, try this kernel: [http://download.openvz.org/kernel/branches/rhel5-2.6.18/028stab035.1/ovzkernel-2.6.18-8.1.4.el5.028stab035.1.x86\\_64.rpm](http://download.openvz.org/kernel/branches/rhel5-2.6.18/028stab035.1/ovzkernel-2.6.18-8.1.4.el5.028stab035.1.x86_64.rpm). It has much more reach config file.

Thank you,  
Vasily

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Subject: Re: opensuse 10.2

Posted by [tomtom](#) on Thu, 19 Jul 2007 11:42:09 GMT

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Okay!

I did:

```
rpm -ivh ovzkernel-2.6.18-8.1.4.el5.028stab035.1.x86_64.rpm --nodeps
```

and the result was:

```
/var/tmp/rpm-tmp.69793: line 6: /sbin/new-kernel-pkg: No such file or directory
error: %post(ovzkernel-2.6.18-8.1.4.el5.028stab035.1.x86_64) scriptlet failed, exit status 127
```

but `rpm -qa | grep kernel` says it is installed so now i'm going to do a reboot and come back tell you what happend!

See you soon and thank you guys all for your help!

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Subject: Re: opensuse 10.2

Posted by [tomtom](#) on Thu, 19 Jul 2007 11:45:07 GMT

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It seems i screwed something. I installed it with `--nodeps` and run `mkinitrd`

I edited `grub menu.lst` and rebooted i choosed the `ovzkernel` and it said:  
Error 13: invalid or unsupported executable form

strange it probably because the previous `ovzkernel`.  
I tried to `rpm -e --nodeps ovz-kernel...` but it just didn't work

```
/var/tmp/rpm-tmp.66929: line 1: /sbin/new-kernel-pkg: No such file or directory
error: %preun(ovzkernel-2.6.18-8.1.4.el5.028stab035.1.x86_64) scriptlet failed, exit status 127
```

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Subject: Re: opensuse 10.2

Posted by [Alexey Eremenko](#) on Thu, 19 Jul 2007 18:57:59 GMT

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1. OpenVZ Kernel problem: (on openSUSE 10.2)

The same goes for me. I'm also Suser that wants to get a good OpenVZ, SUSE-compatible kernel, but unfortunately I get only a dozen of non-working kernels.

The RHEL5 kernel is one of them - on SUSE, `modprobe` \*cannot\* find it's own modules, even I know they exist.

Some modules metadata lacks in the kernel, so it prevents from SUSE Linux to function.

BTW: is "initrd" should be inside the RPM, or the user needs to create one ?

2. integrating OpenVZ with openSUSE - I really would like to see good integration between openSUSE and openVZ.

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Subject: Re: opensuse 10.2  
Posted by [tomtom](#) on Thu, 19 Jul 2007 19:12:45 GMT  
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Both time i had to run mkinitrd in order to have  
initrd-2.6.18-8.1.4.el5.028stab035.1  
or  
initrd-2.6.18-ovz028stab035.1  
in /boot

---

Subject: Re: opensuse 10.2  
Posted by [Vasily Tarasov](#) on Fri, 20 Jul 2007 11:07:43 GMT  
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Alexey,

This is a very bad situation, we actually thought, that our kernels work on SUSE-like distributions.  
Thank you for the report, a I filled the bug report: [http://bugzilla.openvz.org/show\\_bug.cgi?id=647](http://bugzilla.openvz.org/show_bug.cgi?id=647)

We'll try to solve problem.

Thank you,  
Vasily

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Subject: Re: opensuse 10.2  
Posted by [tomtom](#) on Fri, 20 Jul 2007 17:33:57 GMT  
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Thanks Vasily

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Subject: Re: opensuse 10.2  
Posted by [Alexey Eremenko](#) on Fri, 20 Jul 2007 20:48:34 GMT  
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Thanks a lot Vasily.

To get more info, you can read some of my posts of the past:

<http://forum.openvz.org/index.php?t=tree&th=2446&mid=12562&&rev=&reveal=>

<http://marc.info/?l=opensuse&m=117819085209106&w=2>

Currently openVZ is tied *\*very closely\** with Red Hat, but I would really like to break this RedHat-centric monopol.

The monopol is felt very well, when I start reading openVZ official documentation and it's success stories with CentOS/RHEL/Fedora/... and tips about those OSes.

What's wrong with current situation:

1. *\*none\** of the kernels available on the net works with openSUSE 10.2. or 10.3 Alpha. Not even VZ kernel from openSUSE 10.0.

2. OpenVZ Documentation is absolutely RedHat centric.

I'm going to *\*fix\** that one - once I will get a stable openVZ/ openSUSE-compatible kernel, I will try to write the necessary documentation for openSUSE. I plan to have this documentation available as part of openSUSE distro, and I have no plans to integrate this documentation upstream, into openVZ itself, but I may change this plan if asked.

Once my documentation will become part of openSUSE, it will be easier to direct Susers to my documentation, rather than official documentation.

3. What else may I do to improve the terrible lack of integration between openVZ and openSUSE ? (I'm non-developer)

-Alexey "Technologov"

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Subject: Re: opensuse 10.2

Posted by [Alexey Eremenko](#) on Sun, 22 Jul 2007 19:47:52 GMT

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I just tried to build an OVZ/SUSE kernel, but it failed to load the vzmon LKM.

I did:

1. downloaded 2.6.18 vanilla kernel (from kernel.org)
2. applied ovz035 stable patch to it.
3. compiled the whole bunch (compile went cleanly)
4. restarted the system into the new kernel
5. The system loaded with "vzdev" driver, but "vzmon" fails to load.

Here it is:

```
opensuse102:/home/alexey # modprobe vzmon
```

```
FATAL: Error inserting vzmon (/lib/modules/2.6.18-ovz035-default/kernel/kernel/ve/vzmon.k o):
```

```
Unknown symbol in module, or unknown parameter (see dmesg)
```

dmesg returned the following:

```
vzmon: no version for "struct_module" found: kernel tainted.  
vzmon: no version magic, tainting kernel.  
vzmon: Unknown symbol addrconf_ifdown  
vzmon: Unknown symbol addrconf_sysctl_fini  
vzmon: Unknown symbol addrconf_sysctl_free  
vzmon: Unknown symbol addrconf_sysctl_init  
vzmon: Unknown symbol fini_ve_route6  
vzmon: Unknown symbol init_ve_route6  
vzmon: Unknown symbol ve_ndisc_init  
vzmon: Unknown symbol ve_snmp_proc_fini  
vzmon: Unknown symbol ve_snmp_proc_init
```

Any ideas ?

-Technologov

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Subject: Re: opensuse 10.2

Posted by [vaverin](#) on Mon, 23 Jul 2007 03:46:56 GMT

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Hi Alexey,

coulds you please check the following:

1) Could you please confirm that you have used our default config and do not changed any OpenVZ-specific options?

Modprobe can return "Unknown symbol" messages you have compiled kernel without supporting of modules required for the module. But if you have used our default kernel config -- in this case all requires modules should be builded and installed successfully.

2) Could you please check that `/lib/modules/<kernel_version>/modules.dep` file exists?

After installation new kernel on the node you should use "depmod" utility that should create a list of module dependencies  
(`/lib/modules/<kernel_version>/modules.dep`)

3) Are you sure that you have prepared correct initrd file for your new kernel? Modules from old initrd will have wrong dependencies if new kernel is loaded.

Thank you,  
Vasily Averin

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Subject: Re: opensuse 10.2

Posted by [Alexey Eremenko](#) on Wed, 25 Jul 2007 17:55:08 GMT

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Now I have built a kernel using \*your\* config files, and it works !

I still have some problems and questions, but finally it works !

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